

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1652	(606/108).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/28 09:49
S3	1744	(623/1.11).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/28 09:49
S4	422	S1 and (accurate or minute or precise or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/06/28 09:52
S6	457	S1 and (accurate or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/06/28 09:58
S7	573	S3 and (accurate or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/06/28 09:53
S8	1719	(606/200).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/03 11:57
S9	434	S8 and (accurate or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/06/28 09:53
S10	498	S1 and (accurate\$2 or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/07/02 13:41
S11	609	S3 and (accurate\$2 or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/07/03 10:06
S12	1652	(606/108).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/02 13:41
S13	1744	(623/1.11).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/02 13:41
S14	498	S12 and (accurate\$2 or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/07/02 13:41

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EAST Search History

S15	609	S13 and (accurate\$2 or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/07/02 13:41	VA
S16	485	S15 not S14	US-PGPUB; USPAT	OR	OFF	2007/07/02 13:44	VA
S17	8	S16 and (bolt\$1 or screw\$1) same nut\$1	US-PGPUB; USPAT	OR	OFF	2007/07/02 14:02	VA
S18	90	S16 and (bolt\$1 or screw\$1)	US-PGPUB; USPAT	OR	OFF	2007/07/02 14:05	VA
S19	9	S15 and (bolt\$1 or screw\$1) same nut\$1	US-PGPUB; USPAT	OR	OFF	2007/07/02 14:02	VA
S20	1	S19 not S17	US-PGPUB; USPAT	OR	OFF	2007/07/02 14:02	
S21	392	(accurate\$2 or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion) and catheter and (bolt\$1 or screw\$1) same nut\$1	US-PGPUB; USPAT	OR	OFF	2007/07/03 10:42	VA
S22	21	(accurate\$2 or minute or precis\$3 or small or detail\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion) same (bolt\$1 or screw\$1) same nut\$1 and catheter	US-PGPUB; USPAT	OR	OFF	2007/07/03 10:08	VA
S23	78	S21 and stent	US-PGPUB; USPAT	OR	OFF	2007/07/03 17:55	VA
S24	0	("2006/0282150").URPN.	USPAT	OR	OFF	2007/07/03 10:13	
S25	6	((("5944727") or ("5833694") or ("5433723") or ("5415664") or ("5275151") or ("4921484"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 10:47	VA
S26	1	("6,402,760").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 10:47	VA
S27	168	(slight or small or minute) near2 (adjustment or movement or motion) same bolt same nut	US-PGPUB; USPAT	OR	OFF	2007/07/03 11:59	VA
S28	125	(slight or small or minute) near2 (adjustment or movement or motion) same bolt same nut and rotat\$3	US-PGPUB; USPAT	OR	OFF	2007/07/03 11:59	VA
S29	734	604/528	US-PGPUB; USPAT	OR	OFF	2007/07/03 17:57	

EAST Search History

S30	115	S29 and (accurate\$2 or minute or precis\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/07/05 09:44
S31	370	604/159	US-PGPUB; USPAT	OR	OFF	2007/07/05 09:44
S32	70	S31 and (accurate\$2 or minute or precis\$3) near3 (placement or placing or position\$3 or deliver\$3 or movement or motion)	US-PGPUB; USPAT	OR	OFF	2007/07/05 09:44

VA

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STIC Search

Set	Items	Description
S1	4872169	S CATHETER? ? OR CANNULA? ? OR STENT? ? OR SHUNT? ? OR TUBE? ? OR TUBING OR TUBAT? OR INTUBAT? OR TUBELIKE? OR PIPE? ? OR PIPING?
S2	329207	S BOLT? ? OR TURNBUCKL? OR TURN()BUCKL??? OR SCREWHOLE
S3	1053154	S NUT? ? OR SCREW??? OR KNOB? ?
S4	1341991	S THREAD??? OR SPIRAL??? OR WINDING? ?
S5	8218315	S BARREL? ? OR HOLLOW OR INTERNAL??? OR INSIDE OR HOLE
S6	3353543	S ROD? ? OR BAR? ? OR SHANK
S7	86311	S S4(5N)S5
S8	47423	S S4(5N)S6
S9	131010	S (S2 OR S7) (40N) (S3 OR S8)
S10	855831	S MANIPULAT? OR MICROMANIPULAT? OR VERNIER
S11	17354382	S FINE OR FINELY OR MINUTE?? OR SLIGHT?? OR SMALL OR PRECISE?? OR PRECISION OR ACCURATE??
S12	33334548	S MOVE? ? OR MOVING OR MOVABL? OR MOVEMENT? OR CONTROL? OR REGULATING OR ADJUST?
S13	917430	S S11(10N)S12
S14	1223	S S9(30N) (S10 OR S13)
S15	105	S S1(50N)S14
S16	96	S S15 FROM 347, 350
S17	9	S S15 NOT S16
S18	12691	S S1(50N)S9
S19	132	S S18(40N) (S10 OR S13)
S20	30	S S19 NOT S15
S21	30	RD (unique items)

; show files

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[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Jul W2
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[File 8] **Ei Compendex(R)** 1884-2007/Jul W1
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[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/Jun
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[File 95] **TEME-Technology & Management** 1989-2007/Jul W1
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[File 9] **Business & Industry(R)** Jul/1994-2007/Jul 03
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[File 16] **Gale Group PROMT(R)** 1990-2007/Jul 06
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[File 160] **Gale Group PROMT(R)** 1972-1989
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[File 347] **JAPIO** Dec 1976-2007/Dec(Updated 070702)
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[File 350] **Derwent WPIX** 1963-2007/UD=200743
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**File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

17/K/1 (Item 1 from file: 5)

Fulltext available through: [ScienceDirect](#)

Biosis Previews(R)

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18798606 Biosis No.: 200600144001

Laparoscopic lifter apparatus and method

Author: Pittman Gregory R
Author Address: Tulsa, OK 74136 USA**USA
Journal: Official Gazette of the United States Patent and Trademark Office Patents MAR 1 2005 2005
Patent Number: US 06860894 **Patent Date Granted:** March 01, 2005 20050301. **Patent Classification:** 606-205
Patent Country: USA
ISSN: 0098-1133
Document Type: Patent
Record Type: Abstract
Language: English

Abstract: ...a laparoscopic organ lifter apparatus and method comprising a flexible arm component having a first **manipulating** bilateral handle with a central element securing a solid rod terminating in a connector piece holding flexible arms, the solid **rod** passing through an **internally threaded** ring housing a locking **screw** and a tubular rod component having a hollow **rod** with a proximal **hollow externally threaded** coupler disposed to receive the **internally threaded** ring when the **hollow rod** houses the flexible arms component. To lift and hold an organ, an operator thrusts the... ..handle toward the hollow rod proximal end thereby extending the flexible arms outside a hollow **tube** distal end where the arms assume an arcuate shape appropriate to lift and hold steady...

17/K/2 (Item 1 from file: 23)
CSA Technology Research Database
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0003085144 IP Accession No: 871152-2112
Rolling Mill Guiding Unit

Yoshizawa, S Kotobuki Sangyo
Ausz. Eur. Patentanmeld. I, v 2, n 48, p 2278, 26 Nov. 1986
Publication Date: 1986
, EUR

Document Type: Journal Article
Record Type: Abstract
Language: English
File Segment: Metadex

Abstract:
...enabling accurate adjustment of the roller gap under the action of the ram. In addition, **fine adjustment** of the roller gap can be obtained by forming the support element from two separable shaft portions having oppositely directed external **threads**, and by providing an **internally threaded pipe** which is mounted on the shaft portions. The **pipe** can be manually rotated by a ratchet mechanism, or a spanner engaging a **nut-like** portion, in order to effect **fine adjustment** of the roller gap. This **fine adjustment** can be carried out when rolling material is passing through the rolling mill, or in...

16/5/14 (Item 14 from file: 347)
JAPIO

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04831286 **Image available**

JOINTED TYPE INTERNALLY THREADED FISHING ROD

Pub. No.: 07-123886 [JP 7123886 A]

Published: May 16, 1995 (19950516)

Inventor: ARATA HIROSUKE

TSURUFUJI TOMOYOSHI

Applicant: DAIWA SEIKO INC [330030] (A Japanese Company or Corporation), JP (Japan)

Application No.: 05-300786 [JP 93300786]

Filed: November 08, 1993 (19931108)

International Class: [6] A01K-087/00

JAPIO Class: 11.2 (AGRICULTURE -- Marine Products)

ABSTRACT

PURPOSE: To provide a jointed type internally threaded fishing rod, enabling the housing with shortened storing dimensions and facilitating threading operations of a fishing line.

CONSTITUTION: This jointed type internally threaded fishing rod is formed by installing a fishing line introduction part 28 for introducing the fishing line from the outside into the interior of a large-diameter rod tube 10 and forming a small-diameter rod tube 12 capable of being jointed with the large-diameter rod tube 10 so as to enable the free housing and withdrawing thereof from the interior of the large-diameter rod tube. The jointed type internally threaded fishing rod is constructed so as to install positional regulating mechanisms 32 and 38 capable of receiving the small-diameter rod tube 12, locating the rear end 46 of the small-diameter rod tube 12 near the fishing line introduction part 28 and at a prescribed position and releasing the receiving of the small-diameter rod tube 12.

16/5/28 (Item 9 from file: 350)

Derwent WPIX

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0014065447 *Drawing available*

WPI Acc no: 2004-248350/200423

XRPX Acc No: N2004-197046

Catheter apparatus for percutaneous coronary intervention, has balloon catheter with passage to route guidewire, where balloon catheter is introduced into guiding catheter to move through hole of minute adjustment bolt

Patent Assignee: KWON H N (KWON-I); PARK J E (PARK-I); SAMSUNG LIFE PUBLIC WELFARE FOUND MED CE (SMSU); SAMSUNG LIFE WELFARE FOUND SAMSUNG MEDIC (SMSU); SAMSUNG MEDICAL CENT (SMSU)

Inventor: KWON H; KWON H N; PARK J; PARK J E; PARK J U

Patent Family (5 patents, 103 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2004021930	A1	20040318	WO 2003KR1321	A	20030704	200423	B

KR 2004022699	A	20040316	KR 200254323	A	20020909	200445	E
AU 2003245099	A1	20040329	AU 2003245099	A	20030704	200459	E
US 20050240210	A1	20051027	WO 2003KR1321	A	20030704	200571	E
			US 2005527123	A	20050308		
KR 536405	B	20051214	KR 200254323	A	20020909	200680	E

Priority Applications (no., kind, date): KR 200254323 A 20020909

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2004021930	A1	EN	33	9		
National Designated States, Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW					
Regional Designated States, Original	AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW					
AU 2003245099	A1	EN			Based on OPI patent	WO 2004021930
US 20050240210	A1	EN			PCT Application	WO 2003KR1321
KR 536405	B	KO			Previously issued patent	KR 2004022699

Alerting Abstract WO A1

NOVELTY - The apparatus has a guiding catheter (140) introduced through an introducer set (130) and into a human artery. A guidewire (160) is introduced into a main tube (111) and the catheter. A balloon catheter (150) introduced into the guiding catheter has a balloon at its distal end and a passage providing a route for the guidewire. The balloon catheter moves through a through hole (191b) of a minute adjustment bolt (191).

USE - Used for percutaneous coronary intervention.

ADVANTAGE - The **catheter** apparatus permits the balloon **catheter** to move just one thread pitch along the screw thread formed on a circumferential surface of the **minute adjustment bolt** per one rotation of the **bolt**, thereby allowing the physician to **accurately** and reliably **manipulate** the **movement** of the balloon **catheter** in an artery. The apparatus helps the physician to save time in trying to place the balloon and **stent** in the desired position and hence relieving the physicians trouble and the patients pain due to the elongation of the operation time.

DESCRIPTION OF DRAWINGS - The drawing shows a catheter apparatus for percutaneous coronary intervention.

111. Main tube

130 Introducer set

140 Guiding catheter

150 Balloon catheter

160 Guidewire

191 Minute adjustment bolt

191b Through hole

Title Terms /Index Terms/Additional Words: CATHETER; APPARATUS; PERCUTANEOUS; CORONARY; INTERVENING; BALLOON; PASSAGE; ROUTE; INTRODUCING; GUIDE; MOVE; THROUGH; HOLE;

MINUTE; ADJUST; BOLT

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
A61F-002/06			Main		"Version 7"
A61F-0002/06	A	I		R	20060101
A61F-0002/06	C	I		R	20060101

US Classification, Issued: 606192000

File Segment: EngPI; ;

DWPI Class: P32; P34

16/5/67 (Item 48 from file: 350)

Derwent WPIX

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0007003200

WPI Acc no: 1995-015298/199503

XRPX Acc No: N1995-012047

Dens-fracture ventral screwing set with compression screws - has target tube gauge of two target tube sleeves swivelably coupled by hinge

Patent Assignee: WEBER G (WEBE-I)

Inventor: SCHULTHEISS R; WEBER G

Patent Family (3 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 4412604	A1	19941208	DE 4412604	A	19940413	199503	B
DE 4412604	C2	19960711	DE 4412604	A	19940413	199632	E
US 5531751	A	19960702	US 1994252183	A	19940601	199632	E

Priority Applications (no., kind, date): DE 19938276 U 19930602

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 4412604	A1	DE	8	4	
DE 4412604	C2	DE	8	4	
US 5531751	A	EN	7	4	

Alerting Abstract DE A1

The target tube gauge (1) consists of two target tube sleeves (11) swivelably coupled by a hinge (12), with fine adjustment in a defined angular region via an actuator (13-15). The fine adjustment angle between the target tube sleeves is 4-6 deg.

The actuator has a threaded bolt (14) with two opposite threaded sections, each engaging a threaded block on the target tube sleeve. A knurled wheel is mounted in the middle of the threaded bolt.

USE/ADVANTAGE - For fractures of finger-shaped protrusion on the second cervical vertebra, with a facility for improved surgical technique.

Title Terms /Index Terms/Additional Words: DEN; FRACTURE; VENTRAL; SCREW; SET; COMPRESS ; TARGET; TUBE; GAUGE; TWO; SLEEVE; SWIVEL; COUPLE; HINGE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
A61B-017/56; A61B-017/70; A61B-017/88			Main		"Version 7"
A61B-017/17			Secondary		"Version 7"

US Classification, Issued: 606096000, 606104000

File Segment: EngPI; ;

DWPI Class: P31

16/5/74 (Item 55 from file: 350)

Derwent WPIX

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0005334959 *Drawing available*

WPI Acc no: 1990-333118/199044

XRPX Acc No: N1990-254559

Lower limb prosthesis - has socket in two segments with threaded hole in one, and recess in other for connecting adjusting screw

Patent Assignee: UKR PROSTHESIS RES (UPRO-R)

Inventor: BORISOV A I; RIBKA E V; ZARUDNYI S S

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
SU 1553115	A	19900330	SU 4464136	A	19880610	199044	B

Priority Applications (no., kind, date): SU 4464136 A 19880610

Alerting Abstract SU A

The prosthesis consists of a foot, tubular shin and thigh sections connected by a knee joint, and connecting/adjusting elements in the form of a socket (9) with a wedge which has a threaded hole for a screw, and a body (8) with slots and a bush (11) in the shape of a chuck with holes for screws (12). The screws make contact with the wedge (10). The socket has a lengthwise parting plane forming two segments (15,16), one of which has a **threaded hole** (17), and the other a recess (18) for the **screw** (19). The end of the body (8) joins the end face of the thigh **tube** (4) with a spherical curved surface. After initial adjustment, the **screws** (12) interacting with the surface of the wedge to provide **fine adjustment** after the artificial limb has been fitted.

ADVANTAGE - Gives reduced weight. Bul.12/30.3.90 @(4pp Dwg. No. 2/5)@

Title Terms /Index Terms/Additional Words: LOWER; LIMB; PROSTHESIS; SOCKET; TWO; SEGMENT; THREAD; HOLE; ONE; RECESS; CONNECT; ADJUST; SCREW

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date			
A61F-0002/60	A	I		R	20060101			
A61F-0002/60	C	I		R	20060101			

File Segment: EngPI; ;
DWPI Class: P32

16/5/75 (Item 56 from file: 350)
Derwent WPIX
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0005260285 *Drawing available*
WPI Acc no: 1990-254853/199034
XRPX Acc No: N1990-197445

Performing biopsy on prostate gland - involves instrument with needle which can slide axially in tubular guide

Patent Assignee: LOHRMANN G (LOHR-I)
Inventor: LOHRMANN G

Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 3903956	A	19900816	DE 3903956	A	19890210	199034	B
US 5014717	A	19910514	US 1990479106	A	19900212	199122	E

Priority Applications (no., kind, date): DE 3903956 A 19890210

Alerting Abstract DE A

The surgical instrument, for performing a biopsy on the prostate gland, has a needle (2) which slides in a tubular guide (3). One end of the tubular guide (3) is supported in a guide (5) which has a tapered inlet and is mounted in a housing (1).

The needle (2) passes through the guide (5) and housing (1) and is attached to a device (9) which applies an axial force to the needle. The other end of the needle (2) has a pointed tip (10) which can be retracted within the tubular guide (3).

USE - Performing a biopsy on the prostate gland. @(6pp Dwg.No.1,2/3)@

Title Terms /Index Terms/Additional Words: PERFORMANCE; BIOPSY; PROSTATE; GLAND; INSTRUMENT; NEEDLE; CAN; SLIDE; AXIS; TUBE; GUIDE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date			
A61B-0010/00	A	I		R	20060101			
A61B-0010/02	A	I	F	R	20060101			
A61B-0010/06	A	I	L	R	20060101			
A61B-0017/00	A	N		R	20060101			
A61B-0010/00	C	I		R	20060101			
A61B-0010/02	C	I	F	R	20060101			
A61B-0017/00	C	N		R	20060101			

US Classification, Issued: 128754000

File Segment: EngPI; ;
DWPI Class: P31; P34

16/5/79 (Item 60 from file: 350)

Derwent WPIX

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0003945544

WPI Acc no: 1987-036480/198705

Quick release connector for surgical device - has bracket pin to receive channel of branch tube, with bracket nut threadable onto tube

Patent Assignee: EDER INSTR CO (EDER-N)

Inventor: LAKATOS N; LAKOTOS N; WELBER S

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 4635632	A	19870113	US 1984617339	A	19840611	198705	B

Priority Applications (no., kind, date): US 1984617339 A 19840611

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 4635632	A	EN	5	4	

Alerting Abstract US A

The branch tube is provided with a channel aligned transversely to the tube axis and opening downwardly at an angle of approx. 45 deg.. The micromanipulator bracket includes a complementary pin adapted to receive the branch tube channel and to guide and position the tube in proper orientation.

The **micromanipulator** bracket further includes an externally **threaded barrel** and bevelled locking **nut**. The **nut** is threaded downwardly onto the branch **tube**, locking the branch **tube** against the bracket pin.

USE - A quick release mechanism for detachably interconnecting a branch tube with a laser micromanipulator.

Title Terms /Index Terms/Additional Words: QUICK; RELEASE; CONNECT; SURGICAL; DEVICE; BRACKET; PIN; RECEIVE; CHANNEL; BRANCH; TUBE; NUT; THREAD

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
A61B-017/36			Secondary		"Version 7

US Classification, Issued: 606014000, 285283000

File Segment: EngPI; ;
DWPI Class: P31

16/5/81 (Item 62 from file: 350)

Derwent WPIX

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0003874954

WPI Acc no: 1986-333917/198651

Tool for tightening hip prosthesis - has tube with end projections and inner rod with threaded tip to engage with head of prosthesis

Patent Assignee: COLLOMB J (COLL-I)

Inventor: COLLOMB J; RHENTER J L

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
FR 2581336	A	19861107	FR 19856884	A	19850502	198651	B

Priority Applications (no., kind, date): FR 19856884 A 19850502

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
FR 2581336	A	FR	9	4	

Alerting Abstract FR A

The rotary tool, for screwing the femoral rod into a hip prosthesis, consists of a rigid T-shaped element (2) with cross-pieces (5,6) acting as handles. It has a hollow tube (7) with projections on its tip which engage with recesses (11) in the head (12) of the prosthesis.

The **tube** contains a coaxial **rod** (3) with a **threaded** end which is able to engage with a **threaded hole** in the head and is able to **move** axially **slightly** inside the **tube**. The end of the **tube** with the projections is surrounded by a sleeve (21) with a slight conical section, and the **tube**-arms and rod are all cylindrical in section.

ADVANTAGE - Reduced risk of damage to femur.

Title Terms /Index Terms/Additional Words: TOOL; TIGHTEN; HIP; PROSTHESIS; TUBE; END; PROJECT; INNER; ROD; THREAD; TIP; ENGAGE; HEAD

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
A61F-002/46; B25B-017/00			Secondary		"Version 7

File Segment: EngPI; ;

DWPI Class: P32; P62

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Derwent WPIX

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WPI Acc no: 1986-057130/198609

Anchor for bone insert - has locking lug swung outwards by screw sloping downwards to act behind pivot point

Patent Assignee: UNIV RENNES DE (UYRE-N)

Inventor: CHAGNEAU F; LEVASSEUR M; ROLLAND J J

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
FR 2567016	A	19860110	FR 198410909	A	19840705	198609	B

Priority Applications (no., kind, date): FR 198410909 A 19840705

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
FR 2567016	A	FR	15	9	

Alerting Abstract FR A

The method involves inserting an anchor into a bone during a surgical operation. The anchor incorporates a lug (22) which is **manipulated** externally to lock it in position. Inside the anchor **tube** is a **rod** (20) with an **internally threaded hole** at the top for a **screw** (29). The locking lug is connected at the bottom by a hinge pin (3). When the **screw** is turned, it applies a force to the locking anchor, tilting it so that it projects to lock into the bone.

The screw slopes at an angle so that its force is applied to a shoulder (26) on the locking member, producing the tilting action. The whole is secured by locking a block (40) over a shoulder on top, using another screw (27).

ADVANTAGE - Positive connection.

Title Terms /Index Terms/Additional Words: ANCHOR; BONE; INSERT; LOCK; LUG; SWING; OUTWARD; SCREW; SLOPE; DOWN; ACT; PIVOT; POINT

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
A61B-017/56			Secondary		"Version 7

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Inventor: INATOMI MASA HARU

Applicant: INATOMI MASA HARU [000000] (An Individual), JP (Japan)

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ABSTRACT

...3 rises, and a connection part 5(sub 11) between the lower part of the **pipe** 1(sub 11) and a vertical **pipe** 1(sub 10) is fastened by **screws** 5'. thereafter, when the shaft 3 is rotated furthermore, **pipes** 1(sub 10) and 1(sub 11) are lifted up, and a plate 4(sub 10) with a **threaded hole** of the **pipe** 1(sub 10) is engaged with the **screw** part (a) and is lifted up in accordance with the rotation of the shaft 3 and is connected to a next vertical **pipe** 1(sub 9) in the connection part. These lift up and connection operations are repeated... ..the pole is determined by the number of connected vertical pipes, and the height is **adjusted finely** by the rotation of the shaft 3.